

Garant
Fluteless machine tap without oil grooves HSS-E-PM 6HX, TiN, M: M1,6

Order data

Order number	139125 M1,6
GTIN	4045197508614
Item class	11H

Description
Version:

Size M1–M1.4 – **tolerance class:** ISO 1X / 4HX

DIN 2174 (\approx **DIN 371** \leq M10; \approx **DIN 376** \geq M12).

The **innovative polygon form** permits a wide application spectrum. The **multi-function layer structure** achieves **maximum service life** even in **high-tensile materials**.

Tolerance class: ISO 2X 6HX

Thread pitch: 0.35 mm

Overall length L: 40 mm

Shank $\varnothing D_s$: 2.5 mm

Shank square \square : 2.1 mm

Tapping hole \varnothing guide value: 1.45 mm

Technical description

Number of clamping slots	3
Thread \varnothing	1.6 mm
Thread pitch	0.35 mm
Number of cutting edges Z	3
Shank $\varnothing D_s$	2.5 mm
Shank square \square	2.1 mm
Overall length L	40 mm
Tapping hole \varnothing guide value	1.45 mm
Tolerance class	ISO 2X 6HX

Thread depth	2.4 mm
Thread size	M1.6
Coating	TiN
Thread type	M
Flank angle	60°
Tool material	HSS E PM
Standard	DIN 2174
Thread standard	DIN 13
Taper lead form	C
Shank	Plain shank with h9
Through-coolant	no
Application for type of drilling	up to 1.5×D for through holes
Application for type of drilling	up to 1.5×D for blind holes
Cutting direction	right-hand
Colour ring	green
Type of product	Fluteless tap

User data

	Suitability	V _c	ISO code
Alu plastics	suitable only under restricted conditions	42 m/min	N
Aluminium (short chipping)	suitable	42 m/min	N
Steel < 500 N/mm ²	suitable	37 m/min	P
Steel < 750 N/mm ²	suitable	32 m/min	P
Steel < 900 N/mm ²	suitable	27 m/min	P
Steel < 1100 N/mm ²	suitable	22 m/min	P
Steel < 1400 N/mm ²	suitable only under restricted conditions	17 m/min	P
INOX < 900 N/mm ²	suitable	12 m/min	M

CuZn	suitable only under restricted conditions	22 m/min	N
Uni	suitable		
Oil	suitable		
wet maximum	suitable		